

Recommended Permit Conditions for Shank Applications, Continued

Post- application requirements (continued)

2. Exceptions to Metam Sodium/Metam Potassium Post-Application Water Treatment Requirements:

- **Alternate Sealing** - Post-application water treatments are not required for applications made under either of the two conditions listed below. For applications meeting one of these two conditions, the buffer zone will remain in effect for 24 hours (unless specified) after the completion of the application:
 - i) Post application water treatment(s) are not required following soil injection (i.e., shank) applications under the following conditions:
 - (1) Metam is banded using a width 14 inches or less.
 - (2) The maximum application rate is 90 pounds active ingredient per acre.
 - (3) The injection depth is 3-6 inches.
 - (4) A soil capping method is utilized by placing a minimum of 6 inches of soil on top of the bed over the band treatment and compacted using a mechanical device (compaction roller).
 - (5) Use Table 2 to determine buffer zones.
 - (6) The buffer zone duration is 24 hours.
 - ii) The application block is tarped.
 - (1) The tarp must remain in place for a minimum of 48 hours.
 - (2) Use Table 2 to determine buffer zones.
 - (3) The buffer zone remains in effect until the tarp is removed.

3. CAC Discretion

- The CAC has the option to eliminate the third post-application water treatment requirement in sensitive areas based on an evaluation of the soil type and moisture content, knowledge of local conditions and effective control measures previously used. Use the buffer zones for two post-application water treatments if the third post-application water treatment is eliminated.
 - The CAC has the option to eliminate the second post-application water treatment requirement in standard areas based on an evaluation of the soil type and moisture content, knowledge of local conditions and effective control measures previously used, and the application block is greater than 1 mile from a school in session. Use the buffer zones for one post-application water treatment if the second (as opposed to third) post-application water treatment is eliminated. In addition, the buffer zone duration is 48 hours if one post-application water treatment is allowed.
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Table 1.
Metam Sodium and Metam Potassium Buffer Zone Values for Shank Applications
(includes 1 a.m. Start Shank Application Methods)
Three Post-Application Water Treatments

Acres Treated	Buffer Zones (feet)														
	Application Rate ¹ (lbs active ingredient per acre)														
	320	300	280	260	240	220	200	180	160	140	120	100	80	60	40
1	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
5	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
10	200	200	150	150	100	100	100	100	100	100	100	100	100	100	100
15	300	250	200	150	100	100	100	100	100	100	100	100	100	100	100
20	400	350	300	250	200	200	150	150	100	100	100	100	100	100	100
25	500	450	350	300	200	200	150	150	100	100	100	100	100	100	100
30	500	450	350	300	200	200	150	150	100	100	100	100	100	100	100
35	500	450	350	300	200	200	150	150	100	100	100	100	100	100	100
40	600	550	450	400	300	250	200	150	100	100	100	100	100	100	100
45	600	550	450	400	300	250	200	150	100	100	100	100	100	100	100
50	600	550	450	400	300	250	200	150	100	100	100	100	100	100	100
55	600	550	450	400	300	250	200	150	100	100	100	100	100	100	100
60	600	550	450	400	300	250	200	150	100	100	100	100	100	100	100
65	600	550	450	400	300	250	200	150	100	100	100	100	100	100	100
70	600	550	450	400	300	250	200	150	100	100	100	100	100	100	100
75	600	550	450	400	300	250	200	150	100	100	100	100	100	100	100
80	600	550	450	400	300	250	200	150	100	100	100	100	100	100	100

¹Application rates are expressed for broadcast applications, and were calculated for metam sodium applications. To determine buffer zones for metam potassium applications, multiply the buffer zone distance listed by 0.9.